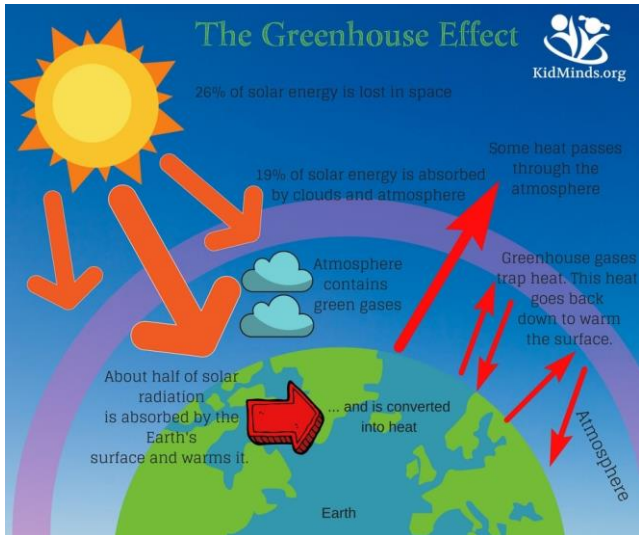


Name _____ Date _____ Period _____

The Greenhouse Effect Review

Activity 1 – The Greenhouse Effect Phenomenon

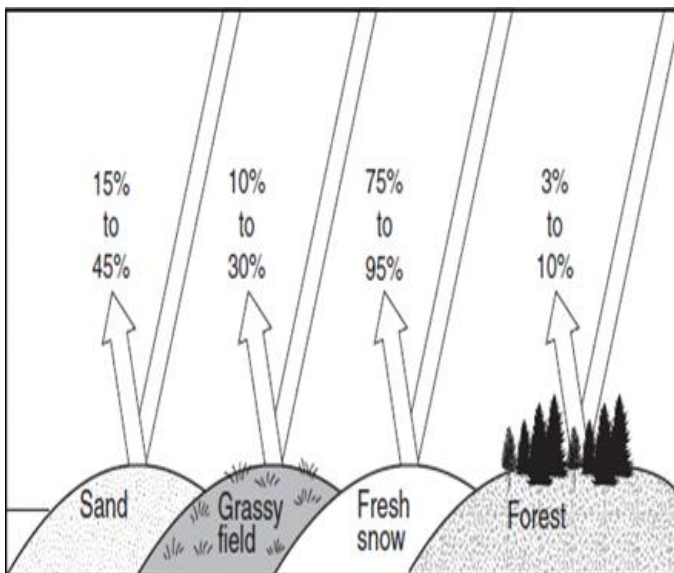
Use the diagram to answer the following questions.



1. What is the source of energy for Earth's greenhouse effect?
2. What is absorbed at the Earth's surface?
3. When is solar radiation converted into heat?
4. What do greenhouse gases in the atmosphere do?

Activity 2 – Different Surface Different Results

The diagram below indicates the amount of solar radiation that is **reflected** by equal areas of various materials on Earth's surface. Use this diagram to answer the following questions.



1. Is solar radiation being absorbed or reflected in the diagram?
2. Put each type of Earth's surface in order from the most reflection to the least reflection.
3. Put each type of Earth's surface in order from the most absorption to the least absorption
4. What pattern do you notice when looking at the type of surface and the amount of radiation reflected?
5. Predict what may cause this pattern.
6. Write a complete sentence to explain why Earth's surface covered mostly in fresh snow would create the least amount of heat.
7. Write a complete sentence to explain why Earth's surface covered in mostly in forest would create the most heat.

Activity 3 – A Greenhouse Effect Diagram

Go to CANVAS and open the assignment that says “**Draw the Greenhouse Effect**”. Use the article to complete the diagram.

